

Klübersynth CH 6-110

High-temperature chain oil for conveyor and lifting chains



Description:

Klübersynth CH 6-110 is a high-temperature oil based on thermally stable polyalkylene glycol oils for the lubrication of conveyor and lifting chains.

Application:

Klübersynth CH 6-110 has been designed especially for lifting chains in conveyors and paintshops. Owing to its special base oil concept it is compatible with sensitive paint systems used in the automotive industry. Paint defects caused by the contact between the chain oil and the paint or the component can be avoided or at least reduced by using a paint-compatible high-temperature chain oil.

The product is also suitable for other applications such as conveyor chains operated by

- suppliers to the automotive industry
- manufacturers of electric household appliances
- coating plants and paintshops

Application notes:

Owing to the large number of paint systems and testing criteria for paint-compatible chain oils it is necessary to check product compatibility prior to each series application. Please contact our application engineers for information about maximum service life and lubricant quantities.

Minimum shelf life:

The minimum shelf life is approx. 60 months if the product is stored in the original closed container in a dry place.

Product data:

Base oil	polyalkylene glycol
Viscosity at 40 °C, DIN 51 562/1, mm ² /s	100 – 125
Colour	yellow
Service temperature range*, °C	– 15 to 200
Density at 20 °C (g/ml), DIN ISO 2811	approx. 1.04

* Service temperatures are guide values which depend on the lubricant's composition, the intended use and the application method. Lubricants change their consistency, apparent dynamic viscosity or viscosity depending on the mechanical loads, time, pressure and temperature. These changes in product characteristics may affect the function of a component.

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- High-temperature oil for conveyor and lifting chains
- Paint-compatible

Pack sizes:

20 l sheet metal canister
200 l drum

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Safety Data Sheet

1.1 Product name: Klübersynth CH 6-110 Code-No.: 002 112 20.6.1996	9. Physical and chemical properties Form liquid Colour yellow Odour characteristic Pour point $\leq -20\text{ }^{\circ}\text{C}$, DIN ISO 3016 Flash point $> 200\text{ }^{\circ}\text{C}$, DIN ISO 2592 Flammability not applicable $^{\circ}\text{C}$ Ignition temperature not applicable $^{\circ}\text{C}$ Autoflammability not applicable Lower explosion limit not applicable Upper explosion limit not applicable Vapour pressure-first not applicable Density approx. 1.04 g/cm^3 , $20\text{ }^{\circ}\text{C}$, DIN 51 757 Water solubility partly soluble, g/l pH value not applicable Kinematic viscosity approx. $110\text{ mm}^2/\text{s}$, $40\text{ }^{\circ}\text{C}$, DIN 51 561 Further information None
1.2 Klüber Lubrication München KG Geisenhausenerstraße 7 D-81379 München Tel. ++49 - 89 78 76 - 0 telephone exchange Fax: ++49 - 89 78 76 - 333	Emergency telephone no.: ++49 - 89 7876 - 0
2. Composition / information on ingredients Chemical characterization (preparation): Polyalkylene glycol oil Additional information: No hazardous ingredients	10. Stability and reactivity Conditions to avoid: Do not heat above flash point Materials to avoid: Strong acids and strong bases Hazardous decomposition products: None under normal use Additional information: None
3. Hazards identification No particular hazards known	11. Toxicological information The toxicological data has been taken from products of similar composition Acute toxicity: $\text{LD}_{50}/\text{oral}/\text{rat} = > 2\text{ g/kg}$ (literature data) Chronic toxicity: None Human experience: Prolonged skin contact may cause skin irritation and/or dermatitis
4. First aid measures After inhalation: Not applicable After contact with skin: Wash off with plenty of water After contact with eyes: Rinse with plenty of water After ingestion: Do not induce vomiting. Obtain medical attention Advice to doctor: Treat symptomatically. If swallowed or in the event of vomiting, risk of product entering the lungs	12. Ecological information Information on elimination (persistence and degradability): The product has not been tested Behaviour in environmental compartments: Ecological injuries are not known or expected under normal use Ecotoxic effects: The product has not been tested Additional information: Should not be released into the environment
5. Fire-fighting measures Suitable extinguishing media: Water spray, foam, dry powder, carbon dioxide (CO_2) Unsuitable extinguishing media: High volume water jet Special Hazards: In case of fire the following can be released: Carbon monoxide, hydrocarbons Special protective equipment for firefighters: Standard procedure for chemical fires Additional information: Water mist may be used to cool closed containers. In the event of fire and/or explosion do not breathe fumes	13. Advice on Disposal Disposal: Dispose of in accordance with your local, state and federal regulations as used oil for incineration Dispose of contaminated packaging and recommended cleaning: Offer rinsed packaging material to local recycling facilities
6. Accidental release measures Personal precautions: Risk of slipping due to leakage/spillage of product Environmental precautions: Do not flush into surface water or sanitary sewer system Methods for cleaning up / taking up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Dispose of absorbed material in accordance with the regulations Additional information: None	14. Transport information GGVS / GGVE: not applicable ADN / ADN: not applicable IMDG-Code: not applicable ICAO / IATA-DGR: not applicable Further information: Not classified as dangerous in the meaning of transport regulations
7. Handling and storage Advice on safe handling: Avoid formation of aerosol Advice on protection against fire and explosion: No special precautions required Requirements on storage rooms and vessels: No special storage conditions required Incompatible materials: Incompatible with oxidizing agents. Do not store together with food Further information on storage conditions: Store at room temperature in the original container	15. Regulatory information Labelling according to EU-guidelines: The product does not require a hazard warning label in accordance with EC-directives/German regulations on dangerous substances National regulations
8. Exposure controls / personal protection Additional advice on system design: Not applicable Ingredients and specific control parameters: None Respiratory protection: No special protective equipment required Hand protection: No special protective equipment required Eye protection: No special protective equipment required Body protection: No special protective equipment required Other protection measures: No special protective equipment required General protection and hygiene measures: Avoid prolonged and/or repeated contact with skin. Clean skin thoroughly after work; apply skin cream. Remove soiled or soaked clothing immediately. Do not inhale aerosol	16. Other information None Issue-department of Safety Data Sheet: Chemical Documentation, Tel.: ++49 - 89 7876 - 564

The data in this product information is based on our general experience and knowledge at the time of printing and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary tests with the selected product. We recommend contacting our Technical Consulting Staff to discuss your specific application. If required and possible we will be pleased to provide a sample for testing. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this product information at any time without notice.



Klüber Lubrication, a member of the Freudenberg group